

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2005/002128

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G01N27/414 G01N33/487		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 G01N		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, INSPEC, BIOSIS		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 38 35 339 A1 (FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG EV, 8) 27 April 1989 (1989-04-27) column 2, lines 15-44; claims 1,4; figures 1,3	1-10
A	STETT A ET AL: "TWO-WAY SILICON-NEURON INTERFACE BY ELECTRICAL INDUCTION" PHYSICAL REVIEW E. STATISTICAL PHYSICS, PLASMAS, FLUIDS, AND RELATED INTERDISCIPLINARY TOPICS, AMERICAN INSTITUTE OF PHYSICS, NEW YORK, NY, US, vol. 55, no. 2, February 1997 (1997-02), pages 1779-1782, XP000913528 ISSN: 1063-651X abstract; figure 1	1-11
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.		<input checked="" type="checkbox"/> Patent family members are listed in annex.
<p>* Special categories of cited documents :</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the International filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the International filing date but later than the priority date claimed</p> <p>"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p>		
Date of the actual compilation of the International search	Date of mailing of the international search report	
7 July 2005	20/07/2005	
Name and mailing address of the ISA European Patent Office, P.O. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel: (+31-70) 340-2040, Fax: 31 651 epo nl Fax: (+31-70) 340-3016	Authorized officer Wilhelm, J	

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C(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>KRAUSE M ET AL: "Extended gate electrode arrays for extracellular signal recordings" SENSORS AND ACTUATORS B, ELSEVIER SEQUOIA S.A., LAUSANNE, CH, vol. 70, no. 1-3, 1 November 2000 (2000-11-01), pages 101-107, XP004224587 ISSN: 0925-4005 abstract; figure 4</p> <hr/> <p>BAUMANN W H ET AL: "Microelectronic sensor system for microphysiological application on living cells" SENSORS AND ACTUATORS B, ELSEVIER SEQUOIA S.A., LAUSANNE, CH, vol. 55, no. 1, 25 April 1999 (1999-04-25), pages 77-89, XP004175066 ISSN: 0925-4005 abstract; figures 7,20</p> <hr/>	1-11
A		1-11

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 3835339	A1 27-04-1989	NONE	